

## ABSTRACT

10  
5  
An electromechanical valve assembly 46 for an internal  
combustion engine 36 is provided. The valve assembly 46  
includes a rotor 68 centered about a first axis 122 having a  
bore 114 extending generally axially therethrough. The valve  
assembly 46 further includes a stator 66 operatively disposed  
about the rotor 68 for producing a torque to cause rotation of  
the rotor 68 about the axis 122. Finally, the valve assembly  
46 includes a valve 70 having a valve stem 126 and a valve  
head 84. The valve stem 126 extends generally axially through  
the bore 114 of the rotor 68. The valve stem 126 is also  
configured to move generally axially responsive to the  
rotation of the rotor 68 to selectively engage and disengage  
the valve head 84 with a valve seat 124 of the engine 36.

274198\JFBU\65,161-022